

Requested Patent DE10118072A1

Title:

EXCHANGE OF ELECTRIC MOTOR COMPONENTS DURING REPAIR IS FACILITATED BY USE OF AN ADDITIONAL EEPROM CONNECTED TO COMPONENTS CONTAINING REDUNDANT DATA SUCH DATA IS CHECKED WITH MOTOR DATA TO TEST ITS VALIDITY ;

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Equivalents: ;

**ABSTRACT:**

Drive system comprises an electric motor (1), rotor position sensor (4) and drive controller (16). Rotor position sensor has a memory (11) containing motor specific data with the sensor mounted on the engine housing (10). An additional memory (11) is mounted on the outside of the rotor position sensor for storage of a redundant copy of initialization data. An additional controller (14) is provided for use with the redundant data. An Independent claim is made for a method for exchange of electric motor components during maintenance. When a component is exchanged, e.g. the rotor, redundant motor specific data is written to the component memory. After the part has been placed in the electric drive a data redundancy check is made. If the data in the component memory does not match the drive data, the data in the replacement component is over-written using the data that was previously written to the redundant memory store in the component that has been removed.